

GREAT VOLCANO ONCE SPILLED LAVA DOWN CALIFORNIA HILLS

(By Associated Press.)

BERKELEY, Cal., Dec. 11.—That a volcano once burst out in the Berkeley hills has now been proved by the University of California.

This volcano spilled molten rock all the way from Berkeley to a point five miles south of Hayward. Later a long succession of earthquakes took place, caused by slippings of vast blocks in the earth's crust. Thus great rifts and faults were torn in this lava bed. Then the water of storms and springs poured through these earthquake fissures. In the rocks and deposited a great variety of minerals. Such was the origin of Oakland's unusual mining industry—the mining of pyrite at Leona, as a material from which to make sulphuric acid. These stirring events in the past geological history of the Berkeley hills are told in a paper by Clifton W. Clark on "The Geology and Ore Deposits of the Leona Rhyolite," just issued in the University of California publication on geology.

Clark points out that huge blocks in the earth's crust have slipped repeatedly along the Hayward fault, a line of cleavage between blocks of the earth's surface, running from Berkeley southeast along the base of the steep slopes of the Berkeley

hills from the neighborhood of the Greek theater on the university campus at Berkeley on to Hamilton gulch, at the head of Dwight way, in Berkeley, where the extruded rhyolite—the volcanic rock—first shows, on past the Berkeley Institution for the Deaf and Blind and the Claremont hotel, on through a rift valley from Temescal lake to a point south-east of Leona Heights, then south-ward; farther on, up Arroyo Viejo creek, south through a saddle on the F. C. Talbot ranch, connecting with the oblique fault west of Lake Chabot, and on through several saddles and breaks in the western slope of the hills to the town of Hayward. Slippings of the earth's crust along this fault line still occur from time to time. The rainwater and spring waters of countless centuries, percolating downward through the old lava deposits, through fractures caused by slippings on the earthquake fault, carried pyrite downward, and caused the deposit of considerable accumulations of this pyrite. For a number of years mining has gone on and is continuing of such deposits of pyrite, near Leona Heights, east of Oakland. The ore is found in a fracture zone in the rhyolite—the volcanic rock—which is joined and faulted so that consider-

able quantities of gouge and small displacements may be seen nearly everywhere in the mine, with abundant evidence of much intense fracturing that originally caused the localization of the ore body. Associated with the pyrite are a number of other minerals, including chalcocite, copper, melanterite, planite, chalcantite, copiapite, epsomite, hematite, limonite, boothite, chalcocite and apatite. None of these minerals in the Leona rhyolite except the pyrite is of any present economic importance.

The oldest rocks in this region of the Berkeley hills, according to Clark, are sandstones, basalts and other rocks of the "Franciscan group." Above these "Franciscan deposits" are several hundred feet of the lower Cretaceous or Knoxville formation, originally laid down far beneath the sea, and then the Chico Cretaceous, which represents a submarine deposit of thousands of feet in depth of sandstones and shales. A vast period of time then passed during which the hills were raised above the sea and then most of these once submarine deposits washed away by erosion. Then came the volcanic action which poured the Leona rhyolite for twenty miles along what is now the front of the Berkeley hills.

CAPTAIN ATTACKS ARMED WITH CLUB

ENRAGED BY CRIPPLING OF
CHILD BRITISH KILLS
EIGHT GERMAN.

(By Associated Press.)

BRITISH HEADQUARTERS IN FRANCE, Dec. 11.—A staff captain is mentioned in the orders of the day issued by the general commanding a certain British division on the Cambrai front as follows:

"By his heroic conduct he saved the whole brigade, if not the division."

This little note hides the story of the remarkable bravery displayed by this captain under the stimulus of hatred aroused by the crippling of his baby girl by a German air raid on England.

During the German attack near Masnières on November 30, single handed and armed only with a heavy stick, he attacked and killed or dispersed a group of Germans who were in possession of an ammunition dump near his headquarters south of Marcoling. He then collected a small and heterogeneous force and pushed on to Les rue Vertes, where, in desperate hand-to-hand fighting he effectually cleared the place of Germans. He himself, armed with two revolvers, shot down eight German machine gunners and held the position until relief arrived.

Other thrilling incidents are told of British commanders in desperate situations going personally among the men in the front lines to cheer them. In one case a colonel, already blinded, was lead among his men by an orderly.

HUGE LOSSES FOR GERMAN ATTACKERS

SUPERHUMAN EFFORTS OF THE
ITALIANS SAVE LINE; LULL
IN FIGHTING.

(By Associated Press.)

WASHINGTON, Dec. 11.—This description of the Italian situation is given:

"The fierce fighting of the last few days has subsided into a period of comparative calm. The superhuman resistance of the Italians prevented the Austro-Germans from attaining the strategic advantages of their objective, although they succeeded in obtaining gains of purely tactical character. The failure of the enemy attacks is indicated by the inactivity on the entire front for three consecutive days. The invaders have desisted from attacking positions in the direction of the Brenta canal on account of the complete exhaustion of the forces engaged."

"General Conrad has sacrificed hundreds of thousands of his best soldiers in successive assaults preceded by unprecedented artillery preparation and today the position of the Austro-Germans, while not improved by the progress made, is in fact more unfavorable to them than at the beginning of the offensive, because of the difficulties of revictualing the troops. The heavy snowfalls of the season will also aggravate the hard efforts of the enemy and threaten lines of communication."

"It may be stated, therefore, that the central powers have failed to obtain their general objective, namely, to break through our lines into the plains of Italy, where they expected to find comfortable shelter during the winter months."

MEDIATION STOPS NUMEROUS STRIKES

FEDERAL BOARD OF CONCILIATION
RENDERS ANNUAL REPORT TO PRESIDENT.

(By Associated Press.)

WASHINGTON, Dec. 11.—Interruption of interstate railway service by labor disputes has been almost negligible since the federal board of mediation and conciliation was organized four years ago, says a report of the board presented to the president.

In four and a half years, the report continues, there have been a total of eighty-four disputes, which threatened all classes of employees on every railroad in the United States and connecting Canadian lines, but in less than half a dozen instances has there been cessation of train movement. In no instance has a strike followed the intervention of the board.

Settlement has been effected in the main by mediation. It is pointed out, fifty-seven cases having been disposed of this way. Seven have been solved by combined mediation and arbitration, eight by arbitration, one by congressional action (the threatened general strike for an eight-hour day), three were settled

PROTECTION OF MOTHERS' CHILDREN IN WAR TIME IS U. S. PROGRAMME

(By Associated Press.)

WASHINGTON, Dec. 11.—Public protection for young children and mothers, the safeguarding of children from premature labor and overwork and decent home conditions through adequate income for the fathers, so that the mothers will not have to go out to work, is the war time program for child welfare announced by the children's bureau of the department of labor in its annual report.

Surveys conducted by the bureau show that the chance of the life of the baby grows appallingly less as the father's earnings grow smaller.

MUSIC TO STIMULATE PATRIOTIC IMPULSES

(By Associated Press.)

LOS ANGELES, Cal., Dec. 11.—Music was employed Sunday to fuse the patriotic impulses of this community into a single firm resolve to make every sacrifice called for by the nation to win the war. A military band, the Sunday Gospel chorus of a thousand voices, organized during the Sunday revival campaign here a few weeks ago, and the public participated in a great community song program at Exposition park.

Patriotic songs predominated in the program, but a number of the better known folk songs and religious hymns were added for variety.

The affair was arranged by Mrs. L. M. Anderson, president of the women's council of defense of Los Angeles. In response to an appeal from the national defense council.

"The object of the song service is to bring people more closely together and to arouse a spirit of patriotism such as only the singing of good old songs in concert can inspire," said Mrs. Anderson.

Other song programs are being arranged to be held in public parks in different parts of Los Angeles on Christmas day.

By the parties themselves, three are under arbitration, four in mediation and one remains unsettled.

Agreements effected by mediation have been found to be more satisfactory to all sides than any form of arbitration, the board finds.

NEW TODAY

By reason of thorough distribution with the drug trade in the United States and lower selling costs, reduced prices are now possible for

**Eckman's
Alterative**
FOR THROAT AND LUNGS
Stomachic Coughs and Colds
No Alcohol, Narcotics or Habit-Forming Drug
\$2 Size \$1 Size
Now \$1.50 Now 80 Cts.
Schering Laboratories, Philadelphia.

THE RIVERSIDE HOTEL
RENO, NEVADA
H. J. GOSSE, Mgr.
On the banks of the Truckee river. Strictly modern in every respect. Where you can find southern Nevada people.
Dancing is a feature every evening, except Sunday, at the Riverside in
The Lanai Cafe

Manhattan Trading & Transfer Co.
(Incorporated)
LIGHT AND HEAVY HAULING
To any place, by the day or by the ton. We have several large teams and freight outfits and are able to handle any size job promptly. We solicit an opportunity to submit bids on any work in our line. Telephone Baldwin Stables, Manhattan, Nev. or address P. O. Box 218, Manhattan, Nev.

HALL LIQUOR CO.
INCORPORATED
Wholesale and Retail
MANUFACTURERS OF
GINGER ALE, SODA WATER,
MINERAL WATER, HIRES'
ROOT BEER
Jack Beam Whisky from Early Times Distilling Company—Pride of Tonopah.
Los Angeles Bottle and Draught Liqueur, International, El Primo.
Pabst Blue Ribbon Bottle Beer, Pabst Export Bottle Beer, East Cider.
Agent for Dry Climate, M. & Q. Italian Swiss Colony Wines.
TONOPAH, NEVADA
MAIN ST. PHONE 313

infant mortality among 13,000 babies in eight representative cities were studied. They showed that in families where the father earned less than \$550 a year every sixth baby died, while in families where the father's income was \$1,050 or more, only one baby in sixteen died.

Disorganization of social and industrial life incident to the war accentuate the importance of protecting the mothers and children, the report says. Increasingly skillful leadership, playgrounds, recreation centers and schooling are especially needed

by "war time children." Strict enforcement of child labor laws also is essential both for the sake of the children and for the output of war materials on which child labor is engaged.

"The war time record of juvenile delinquency abroad shows," says the report, "that the sure penalty for neglecting the home, the school and the play needs of children is an increasing stream of young delinquents brought to court for offenses that community foresight and care should have prevented."

MAMMOTH'S JAW.
(By Associated Press.)
SAN FRANCISCO, Cal., Dec. 11.—The lower jaw of a mammoth, said to be the only similar relic of the extinct behemoth now in existence, was brought here recently from Point Barrow, Alaska, by the power schooner

er Herman. The relic was dug out of the snow by natives while the vessel was in Point Barrow harbor. The beast who possessed the jaw is said to have roamed over the Alaskan plains thousands of years ago. The jaw will be presented to an eastern museum.

NEW TODAY

**Penny Pinching Not
Always True Economy**

I have learned that the intelligent housewife—the woman schooled in really scientific domestic economy—no longer throws away a nickel to save a penny.

A good way to illustrate this point would be through comparison of baking powders.

Experience has taught me—and millions of other women that it doesn't pay to buy cheap baking powders. They cost a few cents less, but in the long run they are decidedly the most expensive. Because of the low grade materials employed in their manufacture they cause many bake day failures—and great loss of expensive ingredients. The housewife throws out, in wasted materials many times the amount saved on the cost of the baking powder. This is not economy, but extravagance.

True economy in baking powder demands the highest quality at the lowest price. Only baking powders that meet these demands should be used. Only baking powder that is made of the highest class ingredients so perfectly proportioned that it not only produces maximum leavening power but also preserves it.

Besides, the baking powder that meets the modern demand for economy should be economical in use—full strength—economical in cost—secured at a moderate price. The housewife should be able to effect a saving when buying—and another saving when using—and she should save materials it is used with.

That is economy in its highest form. Complete economy. The only kind of economy the housewife should attempt.

I have proved positively by exhaustive experiments and comparative tests that Calumet Baking Powder is best suited to these savings. It possesses the surety, the purity and goodness that make constant employment of utmost baking economy possible.

Maudie Marie Costello

Note.—Miss Costello is already well known to most of the ladies of our city. She is of the Domestic Science Branch of the University of Chicago, a graduate of Lewis Institute, Supervisor of Domestic Science in Public Schools, Special Lecturer on Domestic Arts and Economy, Special Lecturer to the Women's Clubs.

We are publishing a series of her most important articles.

ARE YOU THE ONE?

People are awakening to the fact that Hotpoint Electric Heating and Cooking Appliances are the best Holiday Presents that a person can possibly choose. See our Window Display.

The Nevada-California Power Co.

CAMPBELL & KELLY
FOUNDRY and MACHINE SHOP
"Tried in the Fire"
TAKING ORDERS AND FILLING THEM
AUTO REPAIRS A SPECIALTY
TONOPAH, NEVADA

THE TONOPAH BANKING CORPORATION
The Liberty Bond is Uncle Sam's Promise to Pay and He is Worth \$250,000,000,000
Directors: H. C. Brougher, Hugh H. Brown, W. Brougher
Clyde A. Heller, R. B. Govan, John M. Gregory

**Nevada First National Bank
of Tonopah**
CAPITAL, \$100,000

A live polar bear was also captured near Point Barrow and brought down on the schooner.

FLYNN KNOCKED OUT.
(By Associated Press.)
COLUMBUS, Ohio, Dec. 11.—Fred Fulton of Minneapolis knocked out Percy Flynn of Boston here last night in the second round of a scheduled 12-round fight. Fulton caught Flynn flush with a left hook after 2 minutes and 18 seconds of the round and the knockout was clean.

Hot Tom and Jerry at the Bank Buffet.

National League For Woman's Service

A registration of the woman strength of the country. Voluntary and paid service in case of need.

For registration blanks and further information, apply Mrs. Hugh Brown, Tonopah, Chairman for Nevada.

Pioneer Dairy

STERILIZED PRODUCTS
MILK AND CREAM
MORNING AND EVENING
DELIVERY
PHONE 1144. TONOPAH, NEV.

You Will Be Served

Courteously, generously helped and enjoy pure food, if you go to

MOONEY'S CAFE

TONOPAH, NEVADA

Pioneer Road TRAVEL VIA



Daily Service

San Francisco and return,
30 day limit . . . \$41.60

Salt Lake City and return,
30 day limit . . . \$51.85

Wyoming Oil Fields via
Cheyenne or Denver

**Tonopah and Goldfield
Railroad Co.**

ATTORNEYS MILTON M. DETCH ATTORNEY-AT-LAW

Tonopah Offices: Rooms 208-209
210 State Bank Building
Goldfield Offices: 201-202-203-204
Nye & Ormsby County Bank Bldg.

Wm. FORMAN LAWYER

318-319 State Bank and Trust Co.
Building
TONOPAH : : NEVADA

HUGH H. BROWN ATTORNEY-AT-LAW

Offices: 312-316 State Bank and Trust Co. Building
TONOPAH : : NEVADA

H. R. COOKE ATTORNEY-AT-LAW Notary Public

Offices now located on the fifth floor,
State Bank and Trust Building
TONOPAH : : NEVADA
F. R. McNamee Lee A. McNamee

McNamee & McNamee LAWYERS

LAS VEGAS, NEVADA, and
430-2 P. M. Building, Los Angeles, Cal.

DENTISTS Dr. H. Rulison-Shipley DENTIST

Rooms 204-207 State Bank Building
Phone 292
Tonopah, Nevada

DR. T. A. MUSANTE DENTIST

Rooms 205, 206, 207 State Bank Bldg.
PHONE 243
TONOPAH : : NEVADA

**EVERY
AD**

brings its wants. It may be a servant, a situation, something to buy, sell or exchange. Some people want rooms; some people have rooms to rent.

No matter what it is, big or little, a small notice among the BONANZA want ads will bring satisfaction, because

582

**BONANZA Want Ads
Bring Sure Results**